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FRERS, EMILIO. Resultados obtenidos en el Segundo Congreso Internacional del Frío. [Freezing or refrigeration of meats]. *Bol. del Minist. de Agric.*, Tomo XIII, Núm. 3, 1911, pp. 56-67, Buenos Aires.

SILVA NUÑO DE. (Summary of the confession of the pilot 23rd of May, 1579. Summary of the Voyage of the *Corsair*). The Report on a Part of Sir Francis Drake's Famous Voyage of Circumnavigation made by his Prisoner the Portuguese — to the Tribunal of the Inquisition of Mexico on May 23, 1579. Translated by Zelia Nuttall. *Compte Rendu des Travaux du Congrès, Neuvième Congrès Intern. de Géogr.*, Tome III, pp. 402-419, Genève, 1911.

VIDAL DE LA BLACHE, PAUL. De l'interprétation géographique des paysages. *Compte Rendu des Travaux du Congrès, Neuvième Congrès Intern. de Géogr.*, Tome III, pp. 59-64, Genève, 1911.

———. *Compte Rendu des Travaux du Congrès, Neuvième Congrès Intern. de Géogr.*, 1908, Tome III. A. de Claparède, Editor, 516 pp., Maps and Ills., Geneva, 1911.

NEW MAPS

EDITED BY THE ASSISTANT EDITOR

System Followed in Listing Maps.

Title. As on original, if possible. If lacking or incomplete, necessary matter enclosed in brackets.

Scale. Natural (unless otherwise on original), followed by equivalent in miles to one inch. If no scale on original, approximate scale enclosed in brackets.

Coordinates. Approximate limiting coordinates of map given. Where map-net lacking, coordinates, if possible of determination, given in brackets. All meridians referred to Greenwich. If map not oriented N., orientation given.

Colors. Number of tints of separate symbols, not number of color printings given. Black or basal color not considered a color.

Source. If map separately published, name of institution issuing it, place and date given. If a supplement, title of paper or book, author, periodical, volume, pages and year given.

Comment. Descriptive and critical. In brackets.

Regional Classification. Major political divisions the unit, as a rule, except for United States and Canada. Boundaries of continents according to Siever's *Länderkunde*, Kleine Ausgabe.

MAPS ISSUED BY UNITED STATES GOVERNMENT BUREAUS

U. S. GEOLOGICAL SURVEY

Topographic Sheets

Alabama. Columbiana Quadrangle. 1:62,500 (1 in.=0.99 mile). 33°15' - 33°0' N.; 86°45' - 86°30' W. Contour interval 50 ft. Surveyed in 1909. Edition of June 1911.

California. (a) Antelope Quad. 1:31,680 (1 in.=0.50 mile). 38°45' - 38°37'30" N.; 121°22'30" - 121°15' W. Interval 5 ft. Surveyed in 1908-09. Edit. of June 1911.

(b) Arcade Quad. 1:31,680. 38°45' - 38°37'30" N.; 121°30' - 121°22'30" W. Interval 5 ft. Surveyed in 1908-09. Edit. of May 1911.

(c) Brighton Quad. 1:31,680. 38°37'30" - 38°30' N.; 121°30' - 121°22'30" W. Interval 5 ft. Surveyed in 1908-09. Edit. of June 1911.

[Belong to the series of half-mile-to-an-inch maps of the Sacramento Valley. Map (c) includes the greater part of the city of Sacramento.]

Idaho. Meadows Quad. 1:125,000 (1 in.=1.97 miles). 45°0' - 44°30' N.; 116°30' - 116°0' W. Interval 100 ft. Surveyed in 1907-09. Edit. of May 1911.

Illinois. La Salle Quad. 1:62,500. 41°30' - 41°15' N.; 89°15' - 89°0' W. Interval 20 ft. Surveyed in 1909. Edit. of May 1911.

Maine. Ellsworth Quad. 1:62,500. 44°45' - 44°30' N.; 68°30' - 68°15' W. Interval 20 ft. Surveyed in 1907-09. Edit. of June 1911.

Maine-New Hampshire. Fryeburg Quad. 1:62,500. 44°15' - 44°0' N.; 71°0' - 70°45' N. Interval 20 feet. Surveyed in 1909. Edit. of June 1911.

Nevada-California. Hawthorne Quad. 1:250,000 (1 in.=3.95 miles). 39° - 38° N.; 119° - 118° W. Interval 100 feet. Surveyed in 1909. Edit. of May 1911.

New York. Antwerp Quad. 1:62,500. 44°15' - 44°0' N.; 75°45' - 75°30' W. Interval 20 ft. Surveyed in 1908-09. Edit. of June 1911.

Ohio. (a) Covington Quad. 1:62,500. 40°15' - 40°0' N.; 84°30' - 84°15' W. Interval 10 ft. Surveyed in 1909. Edit. of June 1911.

(b) Delphos Quad. 1:62,500. 41°0' - 40°45' N.; 84°30' - 84°15' W. Interval 10 ft. Surveyed in 1909. Edit. of June 1911.

(c) Uhrichsville Quad. 1:62,500. 40°30' - 40°15' N.; 81°30' - 81°15' W. Interval 20 ft. Surveyed in 1908-09. Edit. of July 1911.

[Metalled roads shown by a separate symbol, introduced on recent maps.]

OREGON. Crater Lake National Park. 1:62,500. 43°4' - 42°48' N.; 122°16' - 122°0' W. Surveyed in 1908-09. Edit. of June 1911.
[Soundings by M. B. Kerr in 1886, in blue. On reverse illustrations and descriptions of Crater Lake.]

PENNSYLVANIA. Hamburg Quad. 1:62,500. 40°45' - 40°30' N.; 76°0' - 75°45' W. Interval 20 ft. Surveyed in 1908-09. Edit. of June 1911.

WYOMING-MONTANA. Sheridan Quad. 1:125,000. 45°0' - 44°30' N.; 107°0' - 106°30' W. Interval 100 ft. Surveyed in 1898 and 1909. Edit. of May 1911.

Maps Accompanying Publications

ALABAMA. Sketch map showing location of iron-ore and marble deposits southeast of Calera, Shelby County, Ala. [1:110,000 approx. (1 in. = 1.7 miles approx.)]. 33°5' N. and 86°42' W. Accompanies, as Fig. 1 on p. 4, "Variegated Marble Southeast of Calera, Shelby County, Alabama," by C. Butts in Advance Chapter from Contr. to Econ. Geol., 1910, Part I, *Bull.* 470-G, pp. 3-5, 1911.

ALASKA. (a) Map of the Copper and Chitina Valleys, showing Location of Area Represented on Nizina Special Map. [1 in. = 20 miles (1:1,267,200)]. 62° - 60° N.; 146½° - 142° W.

(b) Topographic Map of the Nizina District, Alaska. Surveyed in 1908 by D. C. Witherspoon and R. M. La Follette. 1:62,500 (1 in. = 0.99 mile). 61°37' - 61°12' N.; 143°0' - 142°22' W. Latitude and longitude approximate. 2 colors. Edition 1911. [Relief in brown contours; interval 50 ft.]

(c) Geologic Map of the Nizina District, Alaska. Geology by F. H. Moffitt and S. R. Capps. Surveyed in 1909. Same scale and coordinates as map (b). With two sections. 9 colors. Edition 1911. Accompany, as Plates I, II and III, "Geology and Mineral Resources of the Nizina District, Alaska," by F. H. Moffitt and S. R. Capps, *Bull.* 448, 1911.

CALIFORNIA. Sketch Map of Trinity River Basin, Cal., Showing Areas of Auriferous Gravels of Second and Third Cycles of Erosion. [1 in. = 6 miles (1:380,160)]. 41°0' - 40°15' N.; 123°40' - 122°40' W. Accompanies, as Pl. I, facing p. 8, "The Auriferous Gravels of the Trinity River Basin, Cal.," by J. S. Diller, in Advance Chapter from Contr. to Econ. Geol., 1910, Part I, *Bull.* 470-B, pp. 3-21, 1911.

COLORADO. Map showing areas of gypsum in Eagle County, Colo. (From the General Land Office Map of Colorado, 1910.) [1 in. = 12 miles (1:760,320)]. 39°55' - 39°20' N.; 107°5' - 106°10' W. Accompanies, as Fig. 9 on p. 124, "Gypsum Deposits in Eagle County, Colorado," by E. F. Burchard in Advance Chapter from Contr. to Econ. Geol., 1910, Part I, *Bull.* 470-G, pp. 120-131, 1911.

IDAHO. Geologic Map of the Upper St. Joe River Basin, Shoshone County, Idaho. By J. T. Pardee. 1:250,000 (1 in. = 3.95 miles). 47°32' - 46°50' N.; 116°10' - 115°5' W. Accompanies, as Pl. II, facing p. 32, "Geology and Mineralization of the Upper St. Joe River Basin, Idaho," by same author in Advance Chapter from Contr. to Econ. Geol., 1910, *Bull.* 470-B, pp. 31-53, 1911.
[Valuable. Authentic maps of this region hitherto rare.]

KANSAS. Geologic Map of Kansas. Prepared under the direction of Erasmus Haworth, State Geologist. 1909. 1 in. = 24 miles (1:1,520,640). 40° - 37° N.; 102°3' - 94°37' W. 15 colors. Accompanies, as Pl. I, facing p. 24, "Quality of the Water Supplies of Kansas" by H. N. Parker, *Water Supply Paper* 273, 1911.

MASSACHUSETTS. Map of Massachusetts Showing Quarrying Centers. 1:750,000 (1 in. = 11.83 miles). 42°45' - 41°35' N.; 73°30' - 70°30' W. Accompanies, as Pl. I, facing p. 6, "Supplementary Notes on the Commercial Granites of Massachusetts," by T. N. Dale, in Advance Chapter from Contr. to Econ. Geol., 1910, Part I, *Bull.* 470-G, pp. 6-54, 1911.

MONTANA. Reconnaissance Geologic Map of the Elkhorn Mountains, Mont. 1:125,000 (1 in. = 1.97 mile). 46°30' - 46°8' N.; 112°3' - 111°40' W. With section and inset map showing general location. Accompanies, as Pl. II, facing p. 68, "Geologic Relation of Ore Deposits in the Elkhorn Mountains, Mont.," by R. W. Stone in Advance Chapter from Contr. to Econ. Geol., 1910, *Bull.* 470-B, pp. 67-90, 1911.

NEVADA. Sketch map of a portion of west-central Nevada. Adapted from the Reno, Wadsworth, Carson and Wabuska topographic sheets. [1:500,000 approx. (1 in. = 7.9 miles approx.)]. 39°44' - 39°18' N.; 119°50' - 119°10' W. Accompanies, as Fig. 9 on p. 92, "Note on the Economic Geology of the Ramsey, . . . Mining Districts, . . . Nevada," by J. M. Hill in Advance Chapter from Contr. to Econ. Geol., 1910, *Bull.* 470-B, pp. 91-100, 1911.
[Shows location of ore deposits.]

NEW MEXICO. Map showing geologic relations of fissure veins near Pinos Altos, N. Mex. [1:70,000 approx. (1 in. = 1.1 miles approx.)]. 32°50' N. and 108°13' W. Accompanies, as Fig. 10 on p. 102, "The Ore Deposits near Pinos Altos, N. M.," by Sidney Paige in Advance Chapter from Contr. to Econ. Geol., 1910, *Bull.* 470-B, pp. 101-117, 1911.

PENNSYLVANIA. (a) Reconnaissance Map of the Oil and Gas Pools of the Foxburg Quadrangle, Pa., Showing Structure and Producing Areas of the Various Oil Sands. 1:62,500 (1 in. = 0.99 mile). 41°15' - 41°0' N.; 79°45' - 79°30' W. 8 colors. [Shows boundaries of oil and gas pools, location of oil and gas wells and structure contours superimposed on Foxburg topographic sheet (surveyed in 1905-07; contour interval 20 ft.)]

(b) Geologic Map of the Foxburg Quadrangle, Pa., Showing Structure and Coal Outcrops. Geology by E. W. Shaw. Surveyed in 1908. Same scale and coordinates as map (a). 10 colors. [Geology superimposed on topographic sheet. Structure contours shown]

(c) Sketch Map Showing Thickness, Extent and Structure of the Third or Gordon Sand in the Foxburg Quadrangle, Pa. [1:200,000 approx. (1 in. = 3.1 miles approx.)]. Same coordinates as map (a). 1 color.

(d) Sketch Map of Western Pennsylvania and Parts of Ohio, West Virginia, Maryland and New York, showing oil and gas fields, location of quadrangles and nature of geologic reports published on each. [1 in. = 25 miles (1:1,584,000)]. 42°20' - 39°20' N.; 81°10' - 77°30' W. 3 colors.

(e) Map showing original extent of Vanport limestone members in Foxburg quadrangle. [1:200,000 approx.] Same coordinates as map (a).

Accompany, as Plates X, I (both in pocket), V (facing p. 16), IX (p. 66), and Fig. 3 (p. 30), "Coal, Oil and Gas of the Foxburg Quadrangle, Pa.," by E. W. Shaw and M. J. Munn, *Bull.* 454, 1911.

TEXAS. (a) [Geologic] Map of Central Coastal Plain Region of Texas, Showing Location of Clay Deposits. 1911. [1:1,500,000 approx. (1 in.=23.7 miles approx.)]. $31^{\circ}20'$ - $28^{\circ}10'$ N.; 99° - 95° W. (b) Map of Clay and Lignite Fields near Lena, Fayette County, Tex. 1911. [1:46,000 approx. (1 in.=0.7 mile approx.)]. [$29^{\circ}53'$ N. and 97° W.].

Accompany, as Pls. I and II, facing pp. 68 and 74, "Notes on Some Clays from Texas," by A. Deussen in Advance Chapter from Contr. to Econ. Geol., 1910, Part I, *Bull.* 470-G, pp. 68-117, 1911.

UTAH. [Nine maps accompanying "Ground Water in Juab, Millard and Iron Counties, Utah" by O. E. Meinzer, *Water Supply Paper* 277, 1911.]

(a) Map of Utah showing areas investigated [and described in *Water-Supply Papers*]. [1:4,600,000 approx. (1 in.=72.6 miles approx.)]. Fig. 1, on p. 10.

(b) Topographic Map of Juab and Millard Counties, Utah, Showing Areas of Flowing Wells. 1911. 1:1,000,000 (1 in.=15.78 miles). $40^{\circ}0'$ - $38^{\circ}35'$ N.; $114^{\circ}3'$ - $111^{\circ}35'$ W. 3 colors. Pl. I, facing p. 10.

(c) Topographic Map of Iron County, Utah, Showing Areas of Flowing Wells. 1911. 1:1,000,000. $38^{\circ}7'$ - $37^{\circ}30'$ N.; $114^{\circ}3'$ - $112^{\circ}35'$ W. 3 colors. Pl. II, facing p. 16.

(d) Map of Juab, Millard, Beaver and Iron Counties, Utah, showing areas covered by Lake Bonneville. [1:2,300,000 approx. (1 in.=36.3 miles approx.)]. 40° - $37^{\circ}\frac{1}{2}'$ N.; 114° - $111^{\circ}\frac{1}{2}'$ W. Fig. 2, on p. 17.

(e) Map of Juab Valley, Utah, showing ground water conditions. [1:3,800,000 approx. (1 in.=60.0 miles approx.)]. [$39^{\circ}40'$ N. and $111^{\circ}50'$ W.]. Fig. 9, on p. 68.

(f) [Geologic] Map of Tintic mining district, showing the relation of the water supply to the igneous rocks. [1:94,000 approx. (1 in.=1.5 mile approx.)]. $39^{\circ}55'$ N. and $112^{\circ}5'$ W. Fig. 10, on p. 83.

(g) Map of Pavant Valley, showing streams, springs and ground-water conditions. [1:357,000 approx. (1 in.=5.6 miles approx.)]. [$39^{\circ}16'$ - $38^{\circ}42'$ N.; $112^{\circ}35'$ - $112^{\circ}7'$ W.]. Fig. 11, on p. 87.

(h) Map of a part of the south basin of Rush Lake Valley. [1:90,000 approx. (1 in.=1.4 miles approx.)]. $37^{\circ}38'$ N. and $113^{\circ}13'$ W. Fig. 13, on p. 146.

(i) Topographic Map of Fish Springs Quadrangle, Utah. Surveyed in 1908. 1:250,000 (1 in.=3.95 miles). 40° - 39° N.; 114° - 113° W. 2 colors. 1911. Pl. IV (in pocket).

[On Pls. I and II contours in brown, interval 1,000 ft.; areas of flowing wells in green. Pl. IV standard topographic sheet: contour interval 100 ft. On Fig. 11, contour interval 500 ft.]

U. S. COAST AND GEODETIC SURVEY

Atlantic Coast

Penobscot Bay, Maine. 1:80,000 (1 in.=1.26 miles). Oriented N. 20° E. $44^{\circ}30'$ - $43^{\circ}45'$ N.; $69^{\circ}10'$ - $68^{\circ}25'$ W. Chart No. 104. Aug. 1911. 50 cts.

East Penobscot Bay, Maine. 1:40,000 (1 in.=0.63 mile). $44^{\circ}20.8'$ - $43^{\circ}59.4'$ N.; $68^{\circ}50.2'$ - $68^{\circ}31.6'$ W. Chart No. 309. Aug. 1911. 25 cts.

Harbors of Plymouth, Kingston and Duxbury, Massachusetts. 1:40,000. $42^{\circ}5'$ - $41^{\circ}55'$ N.; $70^{\circ}46'$ - $70^{\circ}31'$ W. Chart No. 338. July 1911. 25 cts.

Provincetown Harbor, Massachusetts. 1:50,000 (1 in.=0.79 mile). $42^{\circ}6'$ - $41^{\circ}56'$ N.; $70^{\circ}19'$ - $70^{\circ}3'$ W. Chart No. 341. Aug. 1911. 20 cts.

Fishers Island Sound, Connecticut. 1:20,000. (1 in.=0.32 mile). $41^{\circ}22'$ - $41^{\circ}14.6'$ N.; $72^{\circ}3'8'$ - $71^{\circ}49.4'$ W. Chart No. 358. Aug. 1911. 40 cts.

Connecticut River: Entrance to Deep River. 1:20,000. Oriented N. 33° E. $41^{\circ}24'$ - $41^{\circ}13'$ N.; $72^{\circ}25'$ - $72^{\circ}15'$ W. Chart No. 253. July 1911. 25 cts.

Hampton Roads, Virginia. 1:20,000. $37^{\circ}1.5'$ - $36^{\circ}52.5'$ N.; $76^{\circ}27'$ - $76^{\circ}13.5'$ W. With inset forming continuation of S.E. corner of map: $36^{\circ}52.5'$ - $36^{\circ}49'$ N.; $76^{\circ}21'$ - $76^{\circ}16.5'$ W. Chart No. 400. July 1911. 50 cts.

Pamlico Sound, North Carolina. Eastern Sheet. 1:80,000. Oriented N. 18° E. $35^{\circ}53'$ - $35^{\circ}5'$ N.; $76^{\circ}3'$ - $75^{\circ}20'$ W. Chart No. 142. Aug. 1911. 50 cts.

Pacific Coast

Pacific Coast from San Diego to Santa Monica including the Gulf of Santa Catalina, California. 1:200,000 (1 in.=3.16 miles). Oriented N. 28° W. $34^{\circ}3'$ - $32^{\circ}20'$ N.; 119° - 117° W. Chart No. 5100. June 1911. 50 cts.

Pacific Coast from San Francisco to Point Arena, California. 1:200,000. Oriented N. 26° E. $39^{\circ}10'$ - $37^{\circ}20'$ N.; $124^{\circ}30'$ - $122^{\circ}10'$ W. Chart No. 5000. July 1911. 50 cts.

Seacoast and Interior Waters of Washington from Grays Harbor to Semiamoo Bay. 1:300,000. (1 in.=4.73 miles). $49^{\circ}20'$ - $46^{\circ}46'$ N.; $125^{\circ}18'$ - $122^{\circ}8'$ W. 1 color (land surface). Chart No. 6400. July 1911. 50 cts.

Wrangell Strait, Alaska. 1:20,000. $56^{\circ}50.3'$ - $56^{\circ}30'$ N.; $133^{\circ}1'$ - $132^{\circ}53.7'$ W. In two parts. 1 color. Chart No. 8170. July 1911. 50 cts.

Pacific Ocean—Philippine Islands

Mangarin and Pandarochan Bays, Southwest Coast of Mindoro. 1:40,000. $12^{\circ}22'$ - $12^{\circ}8'$ N.; $120^{\circ}58.5'$ - $121^{\circ}15'$ E. 1 color. Chart No. 4340. Aug. 1911. 30 cts.

Northeastern Panay and Adjacent Islands. 1:100,000. (1 in.=1.58 mile). $11^{\circ}51'$ - $10^{\circ}54'$ N.; $122^{\circ}54'$ - $123^{\circ}35'$ E. 1 color. Chart No. 4417. Aug. 1911. 40 cts.

(a) Guiuan Harbor, South Coast of Samar. 1:20,000. $11^{\circ}1.7'$ - $10^{\circ}59.2'$ N.; $125^{\circ}39.1'$ - $125^{\circ}44.1'$ N. 1 color. (b) Pambujan Harbor, East Coast of Samar. 1:35,000 (1 in.=0.55 mile). $11^{\circ}18.5'$ - $11^{\circ}10.6'$ N.; $125^{\circ}31'$ - $125^{\circ}40'$ E. 1 color. Chart No. 4467. Aug. 1911. 30 cts.

LAKE SURVEY OFFICE

MICHIGAN-ONTARIO. Lower Detroit River showing Available Channel and Positions of Aids to Navigation. Prepared under the direction of Lieut. Col. C. S. Riché, Corps of Engineers, U. S. Army, in 1911. 1:25,000 (1 in.=0.39 miles). $42^{\circ}9'$ - $41^{\circ}57.5'$ N.; $83^{\circ}9.6'$ - $83^{\circ}5.7'$ W. 2 colors. Accompanies *Suppl.* No. 3, 1911, to *Bull.* No. 20, Survey of Northern and Northwestern Lakes, 1911.

[WAR DEPARTMENT]

ALASKA. Map of Alaska. By the Alaska Road Commission. 1900. Information compiled from the Surveys of the Alaska Road Commission, the U. S. Coast and Geodetic Survey, the U. S. Geological Survey, U. S. Army Surveys and the Canadian Geological Survey. 1:1,250,000, or 1 in.=19.73 miles. $71^{\circ}\frac{1}{2}'$ - $54^{\circ}\frac{1}{2}'$ N.; 172° - 138° W. With two insets: (1) Aleutian Islands, 1:2,500,000 or 1 in.=39.46 miles; (2) Pribilof Islands, 1:5,000,000 (1 in.=28.91 miles). 4 colors. In four sheets.

[Valuable because of its large scale which is twice that of the standard map of Alaska accom-

panying Brooks's monograph (U. S. G. S. *Prof. Pap.* 45). Relief in brown contours; interval approximately 1,000 ft. Shows wagon roads, sled roads, pack trails, railroads, telegraph and telephone lines].

NORTH AMERICA

UNITED STATES

CALIFORNIA. Map of California Showing the Approximate Location of the Principal Mineral Deposits. Compiled by the State Mining Bureau, San Francisco, Cal. Dec. 1910. [1:765,000 approx. (1 in.=12.1 miles approx.)] 2 colors. In two sheets. [48 different mineral deposits indicated].

NEW YORK-ONTARIO. [Map of Niagara Falls]. [1:30,000 approx. (1 in.=0.47 mile)]. Accompanies, on p. 426, "St. Lawrence River and Niagara Falls" by F. Kobayashi, *Journ. of Geogr.* (Tokyo), Vol. 23, pp. 421-428, 1911. [Article and nomenclature of map in Japanese].

MEXICO. [Three meteorologic maps of Mexico for Jan. 1911 entitled:] (1) Distribución de la Temperatura en la República Mexicana. Media Mensual. (2) Frecuencia de la lluvia en la República Mexicana. (3) Precipitación total en la República Mexicana. 1:12,000,000 (1 in.=18.94 miles). $32\frac{1}{2}^{\circ}$ - 14° N.; 117° - 86° W. 1 color. Accompany, as Lam. 1-3, *Bol. Mens. del Observ. Meteorol. Magn. Centr. de Mexico*, Jan. 1911.

[Map (1) shows six degrees of differentiation for temperature, map (2) four degrees for rain and map (3) three degrees for total precipitation. These maps are published monthly as supplements to the *Boletín*].

SOUTH AMERICA

BRAZIL. Brazil segundo os mais Recentes Trabalhos por R. Hausermann. 1907. 1:10,000,000 (1 in.=157.83 miles). 6° N. - 35° S.; 74° - 33° W. 4 colors. Accompanies "Brazil: Its Natural Riches and Industries," Vol. 1, Comm. d'Expans. Econ. do Brazil, Paris, 1910.

[Good general map. Relief in brown shading; drainage in blue; railroads in black; boundaries in green].

VENEZUELA. (a) Croquis Demostrativo del Estado de los Trabajos del Mapa Físico y Político de Venezuela. 1:5,000,000 (1 in.=78.91 miles). $12\frac{1}{2}^{\circ}$ - 1° N.; 73° - 60° E. 1 color. [Shows stations determined astronomically and area covered by triangulation and topographic survey].

(b) Estado actual de la Triangulación. Mapa Físico y Político de Venezuela. 31 de Diciembre de 1910. 1:500,000 (1 in.=7.89 miles). [Triangulation net].

(c) Plano para el Estudio de la Desviación de la Plomada en La Guaira. 1:50,000 (1 in.=0.79 mile). [Lines of equal deviation of the plumb-line].

Accompany, in pocket, "Trabajos del Cuerpo de Ingenieros encargado del levantamiento del Mapa Físico y Político de Venezuela," Caracas, 1911.

VENEZUELA. (a) Exploración del Camino del "Alto Cocoyar" á Maturín. 1:375,000 (1 in.=5.92 miles).

(b) Exploración de los Caminos que unen á Maturín con Puerto San Juan. 1:125,000 (1 in.=1.97 miles).

(c) Exploración del Río Guarapiche entre Maturín y Caño Colorado. 1:40,000 (1 in.=0.63 miles).

(d) Camino de Maturín á Caño Colorado. 1:100,000 (1 in.=1.58 miles). Accompany, facing pp. 266, 268 and 270, "Informe de la Comisión sobre el camino de Cumanacoa a Maturín etc." by M. C. Pérez, *Rev. Tecn. del Minist. de Obras Publ.*, Vol. 1, pp. 265-272, Caracas, 1911.

[Route surveys starting from Maturín ($9^{\circ}40'$ N. and 63° W.)].

VENEZUELA. Centros Pecuarios del Estado Monagas. [No scale. 1:1,200,000 approx. (1 in.=20.5 miles approx.)]. $10^{\circ}20'$ - $8^{\circ}10'$ N.; $64^{\circ}0'$ - $62^{\circ}5'$ W. 1 color. Accompanies, facing p. 276, "Suplemento al Informe sobre estudio comparativo de las vías del Estado Monagas," *Rev. Tecn. del Minist. de Obras Publ.*, Vol. 1, pp. 275-278, Caracas, 1911.

[Shows cattle markets.]

AFRICA

BRITISH EAST AFRICA. Sketch of the country between the Juba River and Lake Rudolf to illustrate the paper by Lieut. L. Aylmer. 1:500,000, or 1 in.=78.91 miles. 5° N. - $\frac{1}{2}^{\circ}$ S.; $35\frac{1}{2}^{\circ}$ - 44° E. Accompanies, on p. 291, paper with similar title by same author, *Geogr. Journ.*, Vol. 38, pp. 289-296, 1911.

EGYPT. (a) [Fifteen maps showing location of wells, entitled:] Plan Showing Wells, at: Edfu (Plate V); Esna (Pl. VI); Karnak (Pl. VII); Qift (Pl. IX); Qena (Pl. X); Dishna (Pl. XI); Naga Hamadi (Pl. XII); Garga (Pl. XIII); Sohag (Pl. XIV); Tahta (Pl. XVI); Assiut (Pl. XVII); Minia (Pl. XVIII); Beni Suef (Pl. XIX); Wasta (Pl. XX); Giza (Pl. XXI). 1:50,000 (1 in.=0.79 miles). 2 colors.

(b) Map of Upper Egypt Showing Position of Localities from which Data Were Collected, 1907-08. 1:4,000,000 (1 in.=63.13 miles). 32° - 24° N.; 28° - 35° E. (Pl. IV).

Accompany, as indicated above, "The Movements of the Subsoil Water in Upper Egypt" by H. T. Ferrar, *Surv. Dept. Paper* No. 19, Survey Dept. of Egypt, 1911.

[Plates V-XXI are extracts from the topographic map, 1:50,000. Wells indicated by red circles. Pl. IV shows location of places represented in detail on Pls. V-XXI.]

MAURITANIA. (French West Africa.) (a) Région des Salines du Trarza Occidental. [1:5,300,000 approx. (1 in.=83.6 miles approx.)]. 17° N. and 16° W.]

(b) Région des puits d'Agamoun et des Salines de N'Térert et Touidermi. [1:110,000 approx. (1 in.=1.7 mile approx.)]. [Region at N. end of map(a).]

Accompany, on pp. 162 and 163, "Les Salines du Trarza" by G. Mère, *Renseign. Colon.*, No. 7, pp. 161-167, 1911.

MAURITIUS. Carte de l'île Maurice. [1:750,000 approx. (1 in.=11.8 miles approx.)]. $20\frac{1}{4}^{\circ}$ S. and $57\frac{1}{2}^{\circ}$ E.] Accompanies, on p. 239, "L'Angleterre en Afrique" by E. de Renty, Paris, [1911]. [Shows roads and railroads of both narrow and standard gauge.]

MOROCCO. Deutsche Ansprüche an Marokko. 1:4,000,000 (1 in.=63.16 miles). 36° - 27½° N.; 13° W. - 0°. 6 colors. Accompanies, as Taf. 11, *Deutsche Erde*, Vol. 10, 1911.

NORTHERN NIGERIA. Northern Nigeria: Divisions administratives. [1:7,450,000 approx. (1 in.=117.6 miles approx.).] 14° - 6° N.; 30° - 15° E. Accompanies, facing p. 188, "L'Angleterre en Afrique" by E. de Renty, Paris, [1911?]. Reproduced from *Quest. Dipl. et Colon.* [Outline map showing boundaries of provinces.]

SAHARA. Reconnaissance des Compagnies Sahariennes du Touat et de la Saoura dans les Ergs Atimine, Iguidi et la Basse Daoura: nov. 1909-janv. 1910. In three sections. [1:1,600,000 approx. (1 in.=25.2 miles approx.).] 29°40' - 27°0' N.; 5°50' - 1°50' W. With "Carte d'Ensemble" [1:2,000,000 approx. (1 in.=45.8 miles approx.)] showing relationship of sections and index map showing general location. Accompanies, on p. 169, "Dans les Ergs El-Atimine et Iguidi" by Capt. Cancel, *Reconn. Colon.*, No. 7, pp. 167-178, 1911.

SIERRA LEONE. Sierra Leone. [1:2,800,000 approx. (1 in.=44.2 miles approx.).] [11½° - 6° N.; 13½° - 10½° W.] Accompanies, facing p. 219, "L'Angleterre en Afrique" by E. de Renty, Paris, [1911?]. Reproduced from *Quest. Dipl. et Colon.* [Shows boundaries of districts.]

SOCOTRA. [Geologische Karte von] Sokotra. 1:250,000 (1 in.=3.95 miles). 12½° N and 54° E. 8 colors. Accompanies, as Taf. 1, "Geologie der Inseln Sokotra, Séma und Abd El Kûri" by F. Kossmat, *Denkschr. k. Akad. Wiss., Math.-Naturw. Klasse*, Vol. 71, Part 1, pp. 1-62, Vienna, 1907. [Valuable original map on large scale. Embodies results of Austrian Expedition to Southern Arabia, 1898-99.]

SUDAN. Sketch of a route across Lake Chad by P. A. Talbot, B.A., Feb. 1911. 1:500,000, or 1 inch=7.80 miles. 13°20' - 12°55' N.; 13°46' - 14°40' E. Accompanies, on p. 271, "Lake Chad" by P. A. Talbot, *Geogr. Journ.*, Vol. 38, pp. 269-278, 1911. [Soundings given.]

SUDAN. [Three maps entitled:] Der Tschadsee in Gegenwart und Vergangenheit. [By A. Bencke]. 1:4,000,000 (1 in.=63.13 miles). 1 color. (1) Denham's Karte, 1822-1824. 15½° - 11° N.; 13° - 17½° E. (2) Nachtigals Karte, 1871-1872. 15° - 11° N.; 12½° - 17° E. (3) Karte des Kapitäns Tilloh, 1907. 15° - 11° N.; 12° - 16½° E. Accompany, as separate plate, note on "Die Entwicklung des Tschadsees," *Deutsche Rundsch. für Geogr.*, Vol. 33, p. 541, 1911.

ASIA

BORNEO. Geologisch Overzichtskarte van de landen om de Balik-Papan-Baai. 1:250,000 (1 in.=3.95 miles). [19°5' S. and 116°55' E.] 4 colors. With three sections. Accompanies, as Kaart No. X, paper on "De Omgeving der Balikpapan-Baai" by L. Rutten and C. J. Rutten-Pekelharing, *Tijds. Kon. Nederl. Aardr. Genoot.*, Vol. 28, pp. 579-601, 1911.

CEYLON. [Map of] Ceylon. [1:2,500,000 approx. (1 in.=39.5 miles).] Accompanies, on p. 443, "Nach den Kautschuklanden" by A. H. Berkhout, *Der Tropenpflanzer*, Vol. 15, pp. 436-446, 1911. [Shows railroads and automobile roads.]

CHINA. (a) Map of the Western Yenchi District. 1:400,000 (1 in.=6.33 miles). [44° - 42° N.; 127½° - 130½° E.] 2 colors. With inset map of Manchuria and N. Korea showing general location. [Diagrammatic map showing chief towns and roads. Nomenclature in English and Chinese.]

(b) Sketch Map of China and Manchuria to illustrate railways in North China and trade routes converging upon Tientsin. [1:10,000,000 approx. (1 in.=142.4 miles approx.).] [54° - 29° N.; 92° - 134° E.] 2 colors. [Shows diagrammatically railroads completed, under construction, projected.] Accompany: map (a), facing p. 46, Lungchingstun Trade Report, map (b), facing p. 138, Tientsin Trade Report, in Returns of Trade and Trade Reports, 1910, *Imp. Mar. Customs*, Part II. Vol. I, pp. 46-55 and 135-177, respectively, 1911.

CHINA. Map Showing the Distribution of Iron Ore in China. [1:7,000,000 approx. (1 in.=110.5 miles approx.).] 45° - 18° N.; 99° - 124° E. 1 color. Accompanies paper with similar title by K. Inouye, *Journ. of Geogr.* (Tokyo), Vol. 23, pp. 299-311, 1911. [Paper and nomenclature of map in Japanese.]

FRENCH INDO-CHINA. Indo-Chine Française. 1:10,000,000 (1 in.=142.43 miles). 23½° - 8½° N.; 100° - 110° E. Accompanies "Le Laos" by L. de Reinach, Paris, [1911].

JAPAN. Map of the Usu Volcano Showing the arrangement of the Different Craters. [1:18,000 approx. (1 in.=0.28 mile).] [42°32' N. and 140°50' E.] 1 color. Accompanies, as Pl. IV, "Preliminary Report on the Eruption of Usu Volcano, 1910" by F. Omori, *Journ. of Geogr.* (Tokyo), Vol. 23, pp. 1-20, 1911.

[Paper and nomenclature of map in Japanese. Same map with English nomenclature listed in *Bull.*, Vol. 43, p. 797, 1911.]

JAPAN. Geological Map Showing the Distribution of Stream-Tin in the Environs of the Town of Naegi, Province Mino. [No scale]. [Probably 35°35' N. and 137°25' W.] 3 colors. Accompanies, as Pl. VI, paper with similar title by S. Noda, *Journ. of Geogr.* (Tokyo), Vol. 23, pp. 26-36, 1911. [Paper and nomenclature of map in Japanese.]

JAPAN. [Map of Esan Volcano]. [1:50,000? (1 in.=0.79 mile).] [41½° N. and 141° E.] Accompanies, on p. 400, paper on "Esan Volcano and Esan Sulphur Mine," by J. Ohikata, *Journ. of Geogr.* (Tokyo), Vol. 23, pp. 399-406, 1911. [Article and nomenclature of map in Japanese.]

KOREA. Map Showing the Distribution of Iron Ore in Korea. [1:2,000,000 (1 in.=31.56 miles)]. 1 color. Accompanies, as Pl. X, paper with similar title by K. Inouye, *Journ. of Geogr.* (Tokyo), Vol. 23, pp. 97-109, 1911. [Paper and nomenclature of map in Japanese.]

MANCHURIA. Map Showing the Distribution of Iron Ore in Manchuria. [1:2,200,000 approx. (1 in.=34.7 miles approx.).] [43° - 38½° N.; 121° - 127° E.] 1 color. Accompanies, as Pl. XII, "The Iron Ore of Southern Manchuria," by K. Inouye, *Journ. of Geogr.* (Tokyo), Vol. 23, pp. 164-176, 1911.

AUSTRALIA AND OCEANIA

DUTCH NEW GUINEA. Part of Dutch New Guinea to illustrate the explorations of Captain C. G. Rawling . . . and Mr. E. Marshall . . . of the British Expedition, 1909-11. 1:250,000, or 1 in.=3.94 miles. 4°0' - 4°55' S.; 136°18' - 137°15' E. With inset map of western New Guinea, 1:10,000,000, showing location of main map. 3 colors. Accompanies, as separate plate, "Explorations in Dutch New Guinea," by C. G. Rawling, *Geogr. Journ.*, Vol. 38, pp. 233-255, 1911.

[Embodies results of explorations of axial range of New Guinea west of those made by Lorentz.]

EUROPE

AUSTRIA. Plateau des Zahmen-Kaisers. 1:25,000 (1 in.=208.3 ft.). [47°35' N. and 12°17' E.] 4 colors. With inset "Übersichtsplan der Messbandzüge. 1:75,000" and separate plate on tracing paper superimposed on the main map, showing geometric coordinates, etc. Accompany, as Taf. 4a and 4b, "Das Plateau des Zahmen-Kaisers," by L. Distel and F. Scheck, *Mitt. Geogr. Gesell. München*, Vol. 6, pp. 97-166, 1911.

[Detailed survey of a massif of the Tyrolean Alps near the Bavarian frontier.]

AUSTRIA. Übersichtskärtchen der nordsteirischen Alpen im Gebiete der Mürz, Mur und Liesing. Nach den geologischen Aufnahmen von M. Vacek und A. Bittner. [1:230,000 approx. (1 in.=3.6 miles approx.).] [47°35' - 47°15' N.; 14°45' - 15°30' E.]. Accompanies, on pp. 158-159, "Die Trofaiachlinie . . ." by H. Vetter, *Verhandl. der k.k. geol. Reichsanst.*, No. 7, pp. 151-172, 1911.

FRANCE. Limite de la Montagne dans le Limousin. 1:320,000. (1 in.=5.03 miles). 45°55' - 45°22' N.; 1°42' - 3°36' E. Accompanies, as Fig. 1, on pp. 318-319, "La Montagne dans le Limousin: Étude de Géographie Humaine," by A. Demangeon, *Ann. de Géogr.*, Vol. 20, pp. 316-337, 1911.

[Boundary of natural region with the above name traced on an extract from sheet 22 (Clermont) of the Carte de France, 1:320,000.]

FRANCE. Carte Aéronautique: Feuille Châlons. Service Géographique de l'Armée. 1:200,000 (1 in.=3.16 miles). 48°47' - 49°27' N.; 3°41' - 5°23' E. 4 colors. Accompanies, as Pl. XVIII, "La Carte Aéronautique du Service Géographique de l'Armée" by Commandant P. Pollacik, *Ann. de Géogr.*, Vol. 20, pp. 311-315, 1911.

[A map admirably adapted to the purpose it is intended to serve. It marks a decided advance in aeronautic cartography. It brings out prominently the features of greatest importance to the aeronaut. Relief, although represented, is therefore wisely relegated to second place: the ground plan is made easily legible. Roads stand out in white on a buff background, towns and houses are shown in red, forests in green. Dangerous landing places are specially designated. Prominent points such as bellies, churches, windmills, factory chimneys, isolated trees, have their own symbols. Parking spaces, dirigible and aeroplane sheds are shown. The sheets Paris, Amiens, Mézières are in preparation.]

GERMANY. (a) Koblenz um 1900. 1:30,000 (1 in.=0.47 miles).

(b) [Extract from Ravenstein's Map of Germany, 1:300,000 (1 in.=4.73 miles).] 51°5' - 49°37' N.; 6°45' - 9°17' E. 3 colors.

Accompany, as Fig. 1 on p. 17 and as a separate plate, "Kulturgeographische Wanderungen im Koblenzer Verkehrsgebiet" by R. Martiny, *Forsch. zur deutsch. Landes- und Volkskunde*, Vol. 19, No. 3, 1911.

[Map (a) suggestive in its thoroughly geographic treatment of built-up areas. Distinguishes between houses in the old nucleus of the town, apartment houses and private residences in the newer part, and farm-houses on the outskirts.]

GERMANY. Geologische Übersichtskarte Nordwestdeutschlands [1:2,300,000 approx. (1 in.=36.3 miles approx.).] [55° - 51½° N.; 4½° - 12° E.]. Accompanies, on pp. 104-105, "Der Geologische Aufbau und die Oberflächengestaltung Nordwestdeutschlands" by K. Olbricht, *12. Jahresb. Geogr. Gesell. Hannover*, pp. 87-113, 1911.

[Sketch map in form not fit for publication.]

GERMANY. (a) Nordwestdeutschland, Körper-Geographie. Beispiel: Verbreitung der Färbung. (b) Nordwestdeutschland, Sprach-Geographie. Beispiel: Verbreitung der Hauptmundarten nach Lautstand und Tonfall. (c) Nordwestdeutschland, Sach-Geographie. Beispiel: Verbreitung der Haustypen. Nach den Forschungen von Dr. Willi Pessler. [Maps (a), (b) and (c): (1:4,800,000 approx. (1 in.=75.8 miles approx.)).] 55° - 50½° N.; 2° - 13° E.

(d) Das altstädtische Bauernhaus in Umkreise der Stadt Hannover. Nach den Forschungen von Dr. Willi Pessler. [1:190,000 approx. (1 in.=3.0 miles approx.)] Scale incorrectly given.] 52°30' - 53°11' N.; 9°20' - 10°0' E.

(e) Die Abweichung der altstädtischen Hausgrenze von der niederdeutschen und niedersächsischen Sprachgrenze. [1:347,500 approx. (1 in.=54.8 miles approx.).] Scale incorrectly given.] 55° - 50½° N.; 3½° - 17½° E.

(f) Nordwestdeutschland. Versuch einer Karte der verschiedenen Arten des Fensteröffnens. [1:2,750,000 approx. (1 in. 43.4 miles approx.)] Scale incorrectly given.] 54½° - 51° N.; 3½° - 12½° E. Accompany, as Karten 1, 2, 4 and 3, on pp. 3, 5, 11, 8-9, and facing pp. 65 and 81, "Beiträge zur vergleichenden Volkskunde Niedersachsens" by W. Pessler, *12. Jahresb. Geogr. Gesell. Hannover*, pp. 1-86, 1911.

[Maps (a), (b) and (c) show distribution of somatic types, dialects and architectural forms. Map (f) shows distribution of various types of windows. Suggestive with regard to the geographic treatment of such topics.]

GERMANY. [Four maps entitled:] Die Muttersprache der Bevölkerung in den einzelnen Kreisen der Provinz Schleswig-Holstein am 1. Dezember 1905. [1:2,750,000 approx. (1 in.=43.4 miles approx.).] 55°50' - 53°50' N.; 6° - 13° E. 6 colors. (a) Deutsche Muttersprache; (b) Dänische Muttersprache; (c) Andere fremde Muttersprache; (d) Deutsch und eine fremde Sprache. Accompany, as Taf. I, "Die Preussischen Dänen" by M. Broesike, *Ztschrft. des Königl. Preuss. Statist. Landesamts*, Vol. 51, pp. 73-90, 1911.

HUNGARY. Das Verbreitungsgebiet der deutschen Sprache im Südungarn. Auf Grundlage der Volkszählung vom 31. Dezember 1900. Blatt I: Gespanschaft Tolnau. Entworfen von Dr. Richard v. Pfandl. [1:200,000 approx. (1 in.=3.1 miles approx.).] 46°49' - 46°21' N.; 17°44' - 19°22' W. 32 colors. Accompanies, as Taf. 6, "Das Deutsche Sprachgebiet im Südungarn," by same author, *Deutsche Erde*, pp. 68-76, 1911.

HUNGARY. (a) Tektonische Skizze des Zjargebirges und der angrenzenden Gebiete. 1:200,000 (1 in. = 3.26 miles). [48°50' N. and 18°40' E.]

(b) Geologische Karte des Zjargebirges und der angrenzenden Gebiete. 1:75,000 (1 in. = 1.18 miles). 25 colors.

(c) Geologische Karte des Zjargebirges: Das Gebiet der stärksten Faltung. 1:25,000 (1 in. = 0.39 miles). 19 colors.

Accompany, as Fig. 4, on p. 59, and Karten I and II, facing p. 60, "Beiträge zur Geologie des Zjargebirges und des angrenzenden Teiles der Mala Magura in Oberungarn," by H. Vetter, *Denkschr. k. Akad. Wiss., Math.-Naturw. Klasse*, Vol. 85, pp. 1-60, Vienna, 1910.

SCOTLAND. Density of Population of Scotland. 1911 Census. [1:1,300,000 approx. (1 in. = 20.5 miles approx.).] 59° - 54 3/5° N.; 7 3/4° - 2° W. With inset map of Orkney and Shetland Islands. [1:2,500,000 approx. (1 in. = 39.5 miles approx.).] 9 colors. Accompanies "Density of Population, Scotland, 1911," by G. G. Chisholm, *Scott. Geogr. Mag.*, Vol. 27 pp. 466-469, 1911.

[Nine degrees of density indicated. Standard map prepared by the Edinburgh Geographical Institute.]

POLAR

ANTARCTIC REGIONS. Sketch Map of the Northern Peninsula of West Antarctica. 1:7,500,000, or 1 inch = 118.37 miles. 63° - 70° S.; 75° - 52° W. Accompanies, on p. 288, "Antarctic Nature, Illustrated by a Description of North-West Antarctica," by O. Nordenskjöld, *Geogr. Journ.*, Vol. 38, pp. 278-289, 1911.

[Valuable: suggests more rational nomenclature.]

WORLD AND LARGER PARTS THEREOF

NORTHERN EURASIA. [Seven maps entitled:] (1) Von einem kalten Gebiete in Russland und Nordasien breiten sich in der Zeit vom 19. bis 26. Februar 1899 verschiedene Kältewellen aus. (2) Kältewelle vom 2. bis 14. November 1902. (3) Von einem kalten Gebiete breitet sich eine Kältewelle aus (12. bis 21. November 1902). (4) Ausbreitung einer Kältewelle in der Zeit vom 11. bis 21. Jänner 1902. (5) Ausbreitung einer Kältewelle in der Zeit vom 20. Mai bis 2. Juni 1899. (6) Wanderung eines barometrischen Steiggebietes in der Zeit vom 20. Mai bis 2. Juni. 1899. (7) Kältewelle in der Zeit vom 24. bis 31. Oktober 1901. [1:55,000,000 approx. (1 in. = 858.0 miles approx.).] 83° - 35° N.; 10° - 18° E. Accompany, as Karten I-VII, "Die Ausbreitung kalter Luft in Russland und Nordasien (Fortschreiten der 'Kältewellen' in Asien-Europa)" by H. v. Ficker, *Sitzungsber. d. kais. Akad. d. Wiss., Math.-Naturw. Klasse*, Vol. 119, Abt. 11a, pp. 1769-1837, Vienna, 1910.

WORLD. [Map of the World Showing] Azimuth and Distance from Tokyo. Mercator projection [equatorial scale 1:100,000,000]. 2 colors. Accompanies, as Pl. XV, paper with similar title by S. Nakamura, *Journ. of Geogr.* (Tokyo), Vol. 23, pp. 327-329, 1911.

[It is regrettable that so many seismologists have followed the example set by Prof. G. Grablowitz in his maps published in *Die Erdbebenkarte* of Laibach, Austria, showing azimuths and distances from given stations to aid in the determination of the seat of earthquakes whose tremors have been recorded on the seismograph. The use of the Mercator projection is here, too, extremely inappropriate. It involves tedious calculation to determine the points of intersection of the azimuths and the circles of distances. The curves resulting from joining these points are far from simple.

The fact that azimuths are to be shown should have pointed the way to the choice of the right projection, which must, of course, belong to the group of azimuthal projections, the basis of which is a network of concentric circles and radii diverging from their common center. The stereographic projection, with the earthquake station as its pole, will be found to be the best. On it the azimuths and circles of distances constitute the fundamental network of radii and concentric circles of the projection. It represents a graphic solution of the problem far easier than the calculations of the other method, entirely apart from the inappropriateness of the Mercator projection.]

OCEANOGRAPHICAL

NORTH ATLANTIC OCEAN. (a) Courbes de température dans l'Atlantique Nord pendant la période 29 juillet-9 août 1910, d'après les observations du "François Arago." (b) Courbes de température moyenne pendant le mois d'août d'après la *Deutsche Seewarte*. Both maps: Mercator projection [equatorial scale 1:55,000,000 approx.]. 62° - 42° N.; 61° - 19° W. Accompany, as Figs. 3 and 4, on p. 309, "Observations Météorologiques du 'François Arago' au large de Terre-Neuve" by H. Baulig, *Ann. de Géogr.*, Vol. 20, pp. 305-310, 1911.

HISTORICAL

TIBET. (a) Fac-similé de la *Figure III* de la *Carte générale du cours du Gange et du Gagra*... publiée par Anquetil-Duperron, en 1784. [5 "milles indiens" = 0.84 in.] [30°40' N.; 81°20' E.] (b) Fac-similé de la *Figure VI* de la *Carte générale*... d'Anquetil-Duperron (Fausse Source du Gange).

Accompany, as Figs. 1 and 2, on pp. 345 and 349, "Une Ancienne Carte des Sources du Gange" by C.-E. Bonin, *Ann. de Géogr.*, Vol. 20, pp. 338-350, 1911.

DUTCH GUIANA. Kaartje van de Corantijn (helpt der oorspronkelijke grootte). [1:2,500,000 approx.] Oriented S. Accompanies, on p. 652, paper on "Twee Reizen van Paramaribo, een naar de Pariima in 1718 en een naar de Boven-Corantijn in 1720" by J. W. IJzerman, *Tijd. Kon. Nederl. Aardr. Genoot.*, Vol. 28, pp. 648-661, 1911.

[Facsimile reduction to half-size of map of Corantijn R., dated 1720.]

EDUCATIONAL

EUROPE. Bathy-Orographical [School Wall] Map of Europe. 1:5,100,000, or 80 [80.49] miles to one inch. 75° - 33° N.; 40° W. - 75° E. 13 colors. In two sheets, unmounted. W. & A. K. Johnston, Edinburgh, 9/-.

[A very good physical wall map. Relief is shown on land by eight tints, beginning in green and ending in brown, and, on sea, by five tints of blue. Although the color scheme is pleasing the absence of hachuring precludes the plastic effect of relief seen on the best German wall maps. The nomenclature (provided the use of names on a wall map be deemed justifiable) is critically chosen. This map is one of a series including the continents and oceans.]

ATLASES

HAMMOND'S POCKET ATLAS OF THE WORLD. C. S. Hammond & Co., New York, 1911. 263 pp., 19 plates and statistical tables. 6 x 4.

Contains separate maps of each state and of the Canadian provinces. In content and execution of the usual type of maps produced by the wax-engraving process. The inclusion of a map of the world on Mollweide's projection (referred to as the *only* equivalent projection) and others of world phenomena on Gall's projection testify to incipient, even if casual, contact with geographic thought. But the poor quality of the maps contrasts unfavorably with the up-to-date census statistics and the convenient form and good binding of the atlas.

OTHER ACCESSIONS

OCTOBER, 1911

AMERICA

(The size of books is given in inches to the nearest half inch.)

BASSLER, RAY S. The Cement Resources of Virginia West of the Blue Ridge. (Map and Ills.) Bulletin No. II-A. Virginia Geological Survey. Charlottesville, University of Virginia, 1909. 10 x 7. *Gift*.

CRIDER, ALBERT F. Cement and Portland Cement Materials of Mississippi. (Map, diagrams and ills.) Bulletin No. 1, Mississippi Geological Survey. Nashville, Brandon Printing Co. 1907. 9½ x 6. *Gift*.

FITCH, MICHAEL HENDRICK. The Chattanooga Campaign, With especial reference to Wisconsin's participation therein. (Map and diagrams.) Wisconsin History Commission: Original Papers, No. 4. [Madison] Wisconsin History Commission, March, 1911. 9 x 6. *Gift*.

GROVER, N. C., and BOLSTER, R. H. Hydrography of Virginia. Geological Series. *Bulletin* No. III, Geological Survey of Virginia. (Maps and Diagrams.) (Blacksburg), Board of Agriculture and Immigration. 1906. 9 x 6. *Gift*.

HURN, ETHEL ALICE. Wisconsin Women in the War Between the States. Wisconsin History Commission: Original Papers No. 6. (Ills.) [Madison] Wisconsin History Commission, May, 1911. 9 x 6. *Gift*.

JAMISON, C. E. Mineral Resources of Wyoming, and the Mining Laws of the State, and of the United States. Bulletin 1-Series B. Cheyenne, S. A. Bristol Co. 1911. 9 x 6. *Gift*.

LANDES, HENRY. The Road Materials of Washington. (Maps.) Bulletin No. 2. Washington Geological Survey. Olympia, Wash., E. L. Boardman, Public Printer. 1911. 9 x 6. *Gift*.

REEDS, CHESTER ALBERT. A Report on the Geological and Mineral Resources of the Arbuckle Mountains, Oklahoma. (Illustrations and maps.) Bulletin No. 3, Oklahoma Geological Survey. Norman. 1910. 9 x 6. *Gift*.

WATSON, THOMAS LEONARD. Mineral Resources of Virginia. (Maps, diagrams and ills.) Virginia Jamestown Exposition Commission, Lynchburg. 1907. 10½ x 7. *Gift*.

— First Annual Report, State Water Storage Commission. State of Maine. January, 1911. (Maps and ills.) Augusta, Kennebec Journal Print. 1911. 9 x 5½. *Gift*.

— Topographic and Geological Survey of Pennsylvania. 1906-1908. (Maps, diagrams and ills.) Harrisburg, State Printer. 1908. 9½ x 6. *Gift*.

— A Preliminary Report on Drainage Reclamation in Georgia. The Drainage Situation in Georgia, by S. W. McCallie, and Drainage Examinations and Surveys in Georgia by U. S. Department of Agriculture. (Ills.) *Bulletin* No. 25, Geological Survey of Georgia. (Atlanta, 1911.) 10 x 6½. *Gift*.

AFRICA

HUNT, ARTHUR S. The Oxyrhynchus Papyri. Part VIII. Edited with translations and no notes by —. With Seven Plates. London, Egypt Exploration Fund. 1911. 10½ x 7½.

ASIA

MEREDITH, FREDERICK CHARLES. (Editor and compiler.) *Iti Dalan Ti Santa Nga Krus* (The Way of the Holy Cross). [This book is the first published in the Ilokono dialect in the sub-province of Bontoc, P. I.] Mission of St. Mary the Virgin, Sagada, P. I. 1911. 6 x 4½. *Gift*.

EUROPE

— Jahrbuch des Schweizer Alpenclub. XLVI Jahrgang, 1910-1911. (Ills.) Bern, Schweizer Alpenclub. 1911. 10½ x 7½.

— Klubhütten-Album des Schweizer Alpen-Club. (Beilage zum Jahrbuch S. A. C. Bd. 46.) (Ills.) [Bern] Zentral-Komitee S. A. C. 1911. 7 x 10.